

AMENDMENT TO THE CLAIMS

This listing of the claims replaces all prior versions submitted in this application.

1. (Cancelled)
2. (Previously amended) The composition of claim 30 wherein B is selected from the group consisting of acrylamide, methacrylamide; N-alkylacrylamides, N,N-dialkyl-acrylamide; methyl methacrylate, methyl acrylate; acrylonitrile; N-vinyl methylacetamide; N-vinylformamide; N-vinylmethyl formamide; vinyl acetate; N-vinyl pyrrolidone; and mixtures of any of the foregoing.
3. (Previously amended) The composition of claim 30 wherein C is selected from the group consisting of diallyldialkylammonium halides, (meth)acrylates of dialkylaminoalkyl compounds, such as dimethylaminoethyl (meth)acrylate, diethylaminoethyl (meth)acrylate, dimethyl aminopropyl (meth)acrylate, 2-hydroxydimethyl aminopropyl (meth)acrylate, aminoethyl (meth)acrylate, and the salts and quaternaries thereof; the N,N-dialkylaminoalkyl(meth)acrylamides, such as N,N-dimethylaminoethylacrylamide, and the salt and quaternaries thereof and mixtures of any of the foregoing.
4. (Previously amended) The composition of claim 30 wherein the diblock and triblock surfactant is a copolymer based on polyester derivatives of fatty acids and poly[ethyleneoxide].
5. (Cancelled)

6. (Previously amended) The composition of claim 30 further comprising cellulose fiber.

7. (Previously amended) A method of making a cellulose fiber composition which comprises adding to a cellulose pulp slurry the water-soluble cationic copolymer of claim 30.

8. (Previously amended) The composition of claim 30 wherein the emulsification surfactant consists of a blend of a polymeric surfactant comprising one or two polymeric components derived from oil-soluble complex monocarboxylic acid and a water-soluble component derived from polyalkylene glycol, [and sorbitan monooleate;] and 2,2'-azobisisobutyronitrile is employed as the free radical initiator.

9. (Original) The composition of claim 8 wherein the surfactant system has a combined Hydrophilic-Lipophilic Balance of less than 8.

10. (Amended) The composition of claim 9 wherein the diblock and triblock surfactant is a copolymer based on polyester derivatives of fatty acids and poly[ethyleneoxide].

11. (Previously amended) The composition of claim 30 wherein the ratio of B:C is about 99:1 to about 50:50.

12. (Original) The composition of claim 11 wherein the ratio of B:C is about 95:5 to about 50:50.

13. (Previously amended) The composition of claim 30 wherein k' is greater than 0.6.

14. (Previously amended) The composition of claim 30 wherein G' is greater than 75.

15. (Previously cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Currently amended) A copolymer composition comprising:

at least one associative inverse emulsion copolymer, wherein said at least one associative inverse emulsion copolymer has associative properties provided by of at least one emulsification surfactant chosen from diblock and triblock polymeric surfactants in which the surfactant to monomer ratio is at least 3:100 wherein said at least one associative inverse emulsion copolymer comprises is composed of:

at least one nonionic polymer segment B comprised of one or more ethylenically unsaturated nonionic monomers, and

at least one cationic polymer segment C comprised of one or more ethylenically unsaturated cationic monomers;

the molar % ratio of B:C is from 99:1 to 1:99; and

wherein said at least one associative inverse emulsion copolymer has a Huggins' constant (k') determined in 0.01 M NaCl greater than 0.5; and said at least one associative inverse emulsion copolymer has a storage modulus (G') in a 3.0 wt % actives polymer solution at 6.3 Hz greater than 50 Pa.

31. (Cancelled)

32. (Currently amended) A copolymer composition comprising:

at least one structured inverse emulsion copolymer, wherein said at least one structured inverse emulsion copolymer has associative properties provided by [an effective amount] of at least one emulsification surfactant chosen from diblock and triblock polymeric surfactants in which the surfactant to monomer ratio is at least 3:100 wherein said at least one structured inverse emulsion copolymer composed of comprises :

at least one nonionic polymer segment B comprised of one or more ethylenically unsaturated nonionic monomers, and

at least one cationic polymer segment C comprised of one or more ethylenically unsaturated cationic monomers;

the molar % ratio of B:C is from 99:1 to 1:99; and

wherein said at least one structured inverse emulsion copolymer has a Huggins' constant (k') determined in 0.01 M NaCl greater than 0.5; and said at least one structured inverse emulsion copolymer has a storage modulus (G') in a 3.0 wt % actives polymer solution at 6.3 Hz greater than 50 Pa.